

FIG. 1 (Prior Art)

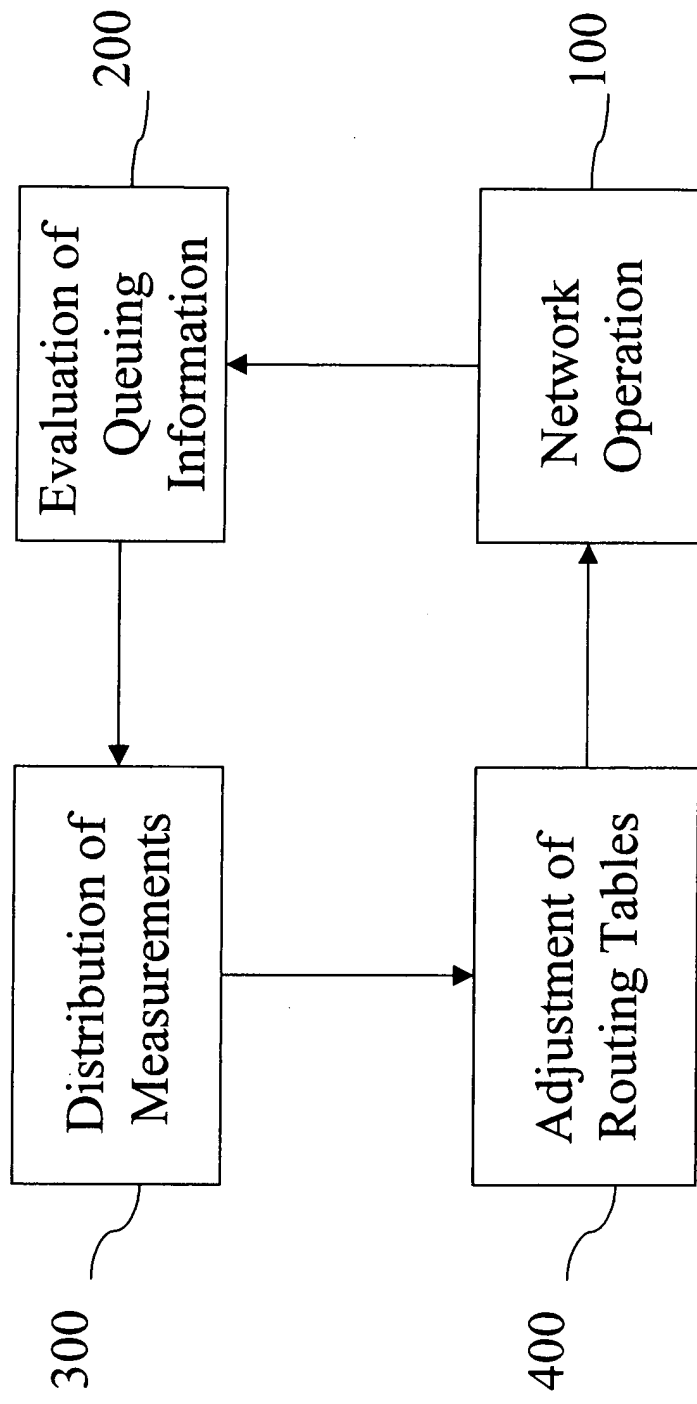


FIG. 2

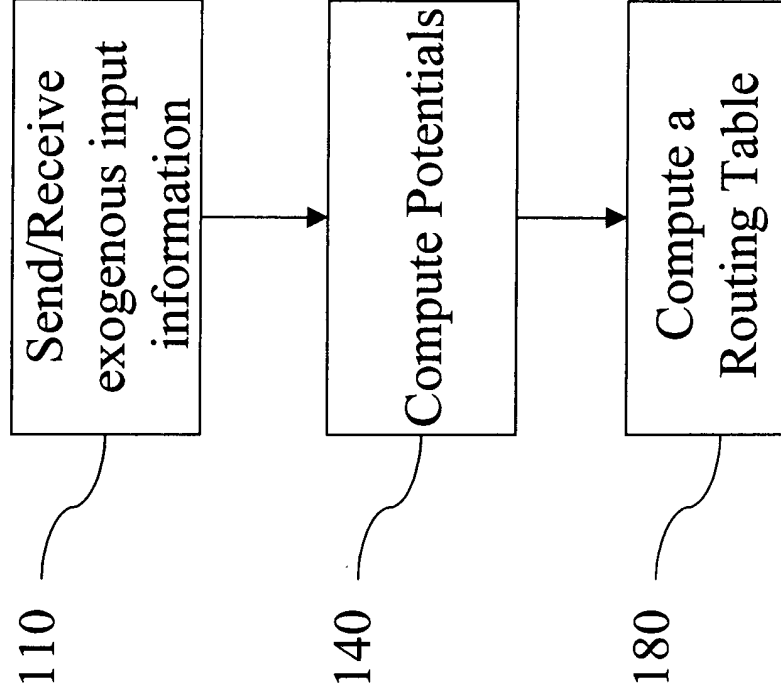


FIG. 3

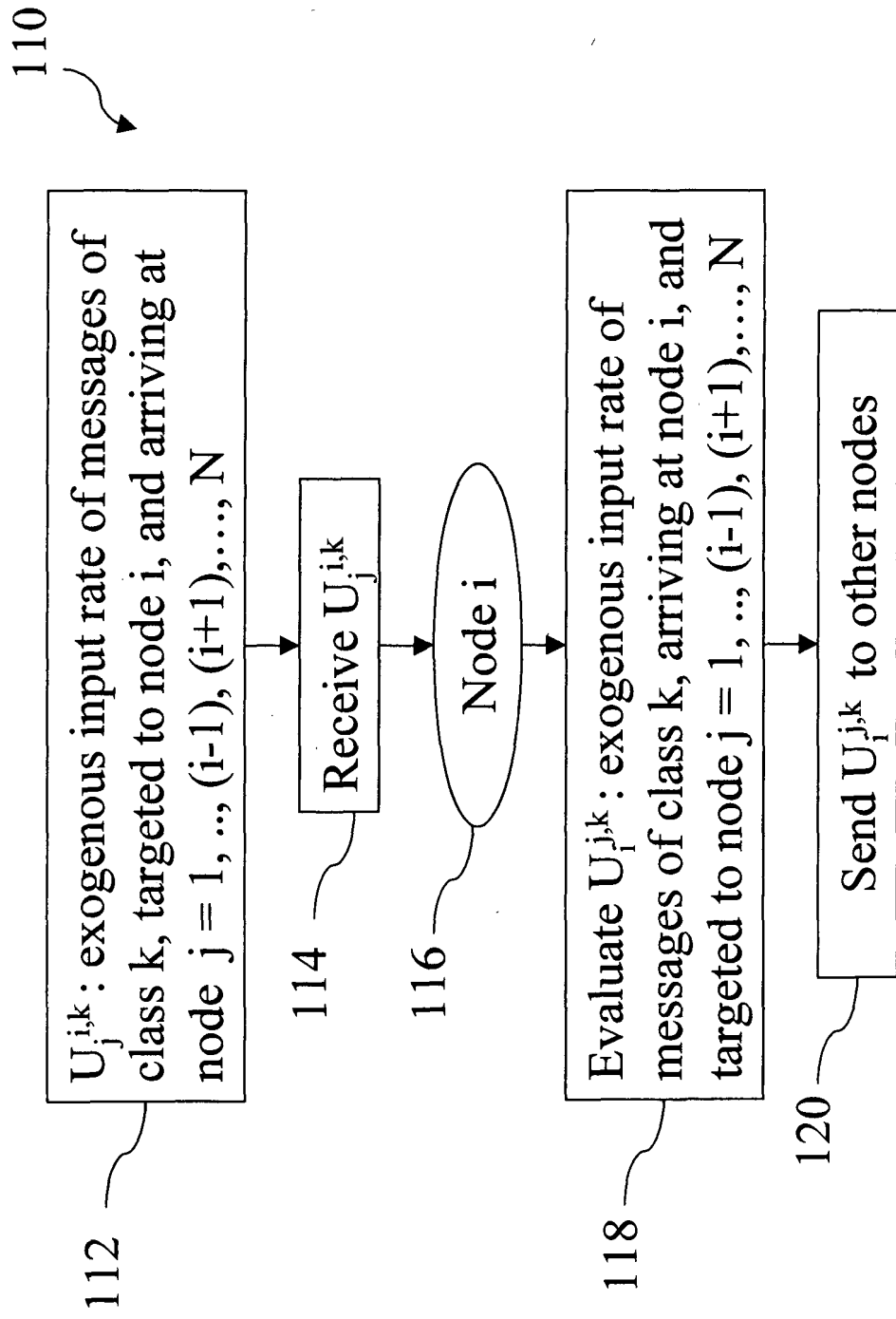


FIG. 4

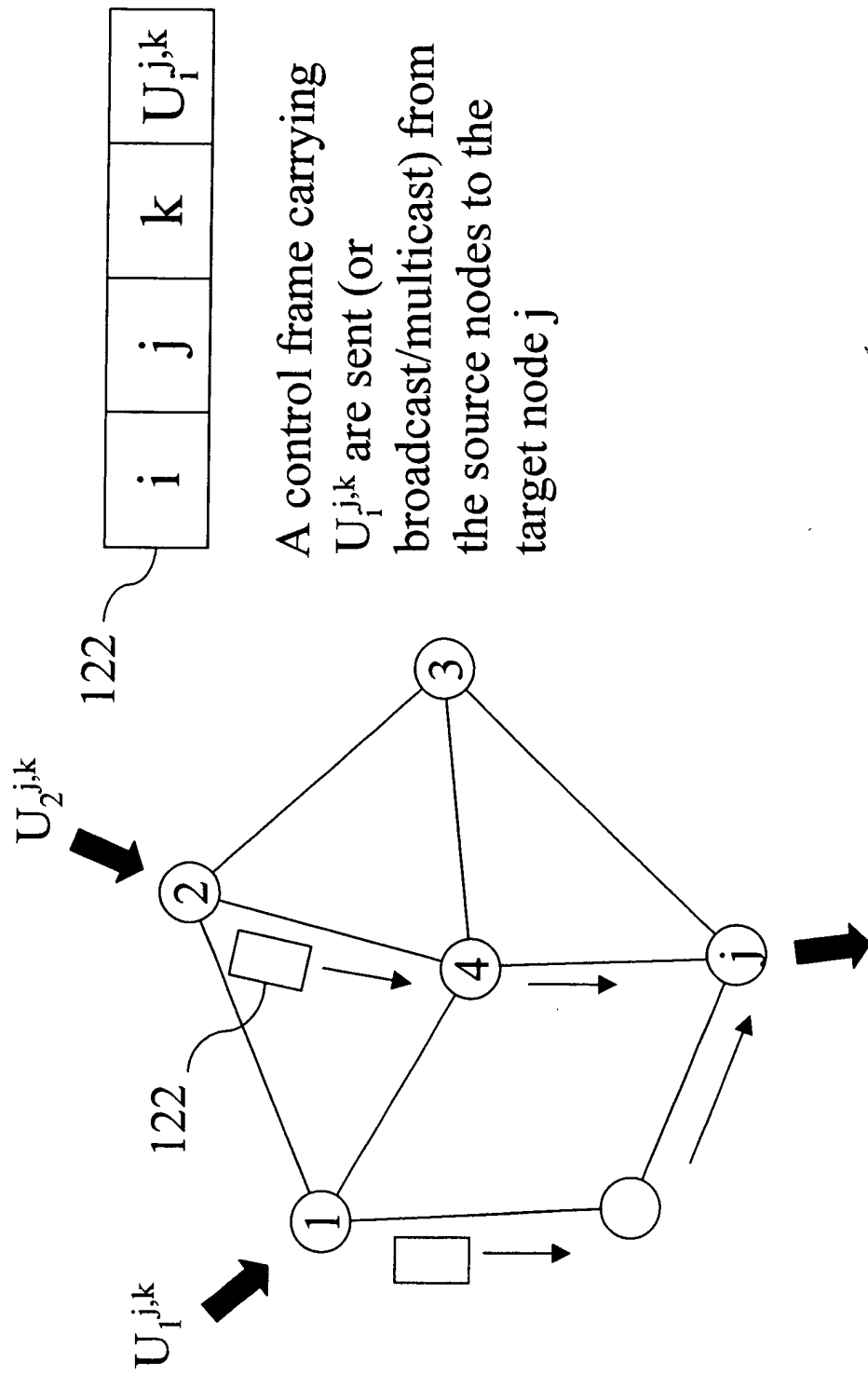
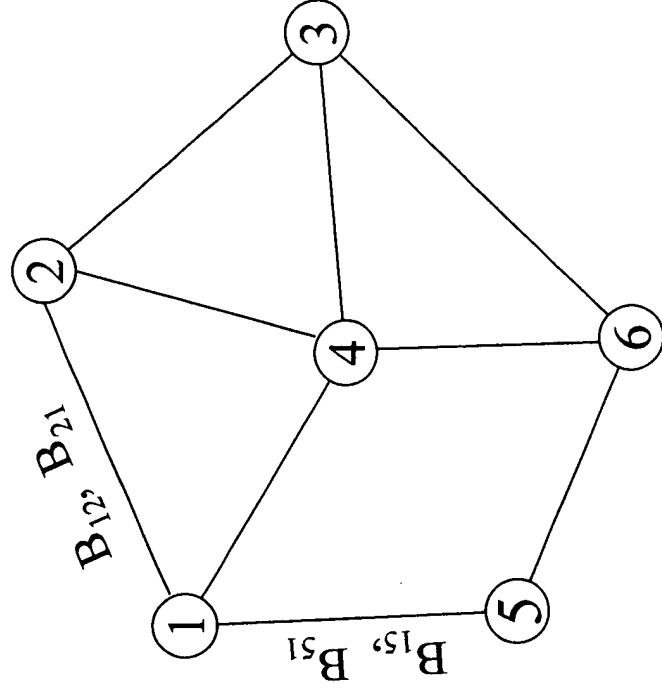


FIG. 5



$$N(1) = \{2, 4, 5\}$$

$$N(2) = \{1, 3, 4\}$$

$$N(3) = \{2, 4, 6\}$$

$$N(4) = \{1, 2, 3, 6\}$$

$$N(5) = \{1, 6\}$$

$$N(6) = \{3, 4, 5\}$$

FIG. 6

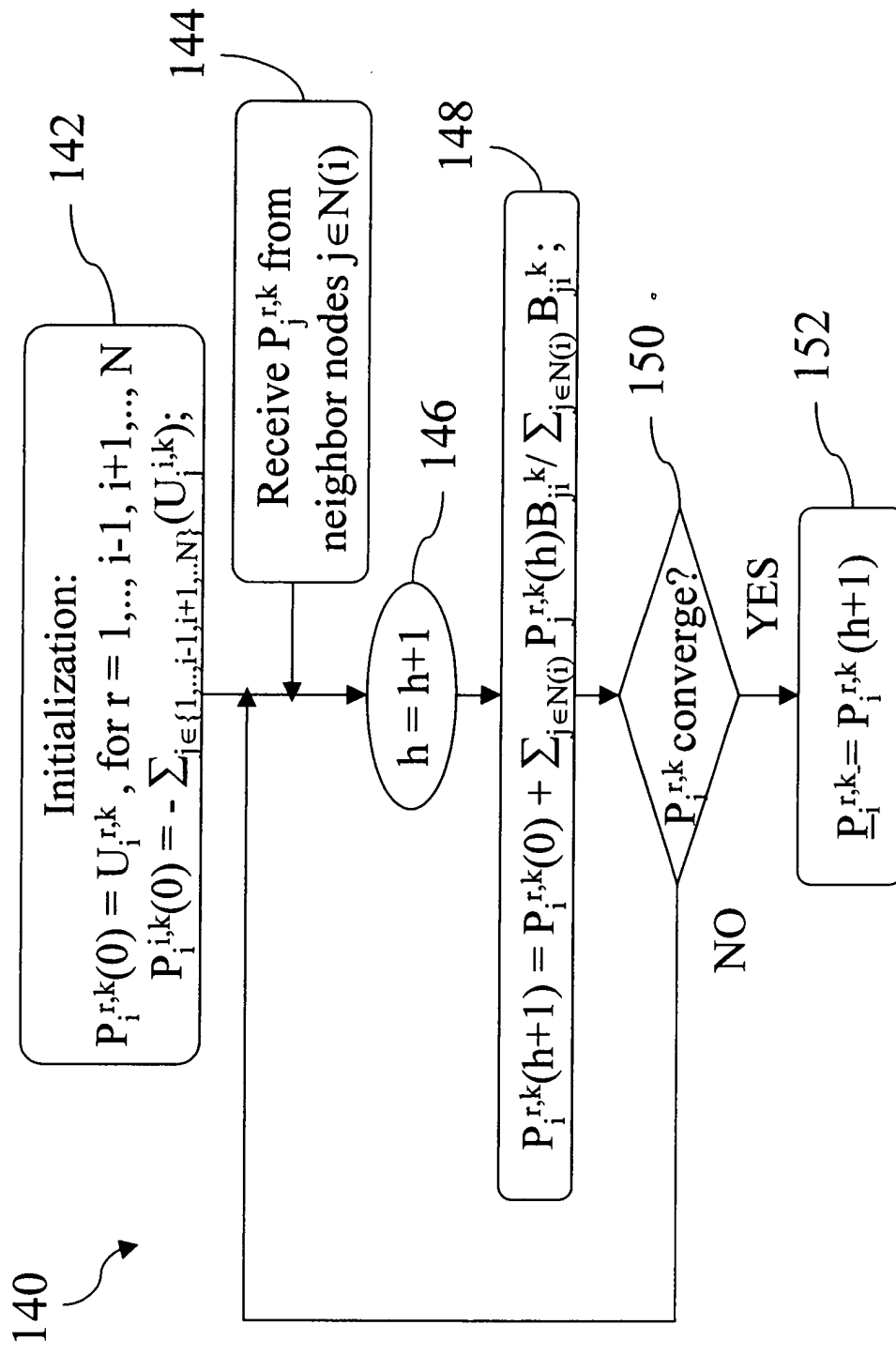
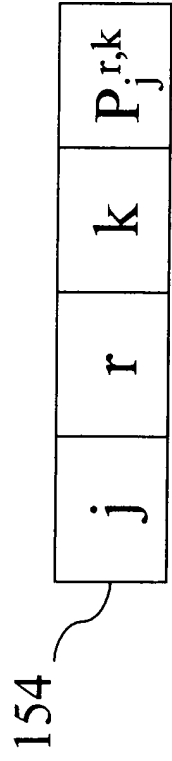
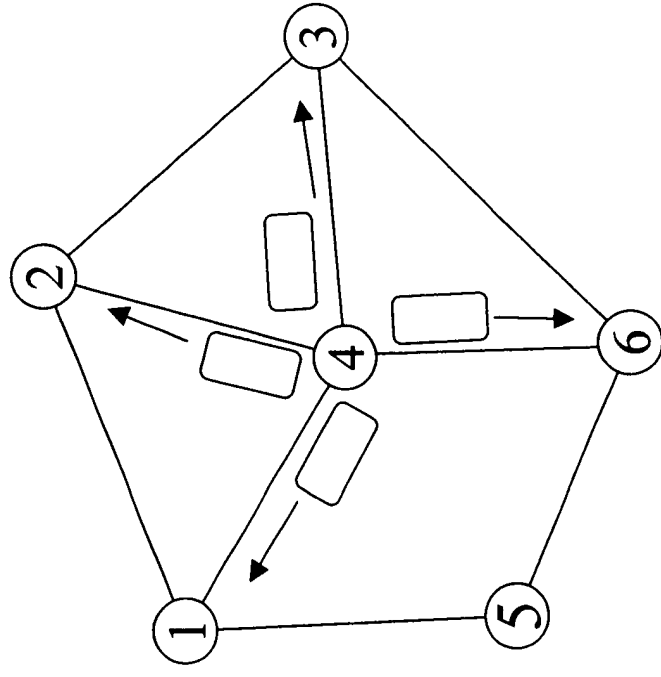


FIG. 7



Control frames carrying $P_{j,k}^{r,k}$ are sent from the neighbor node j to node i

FIG. 8

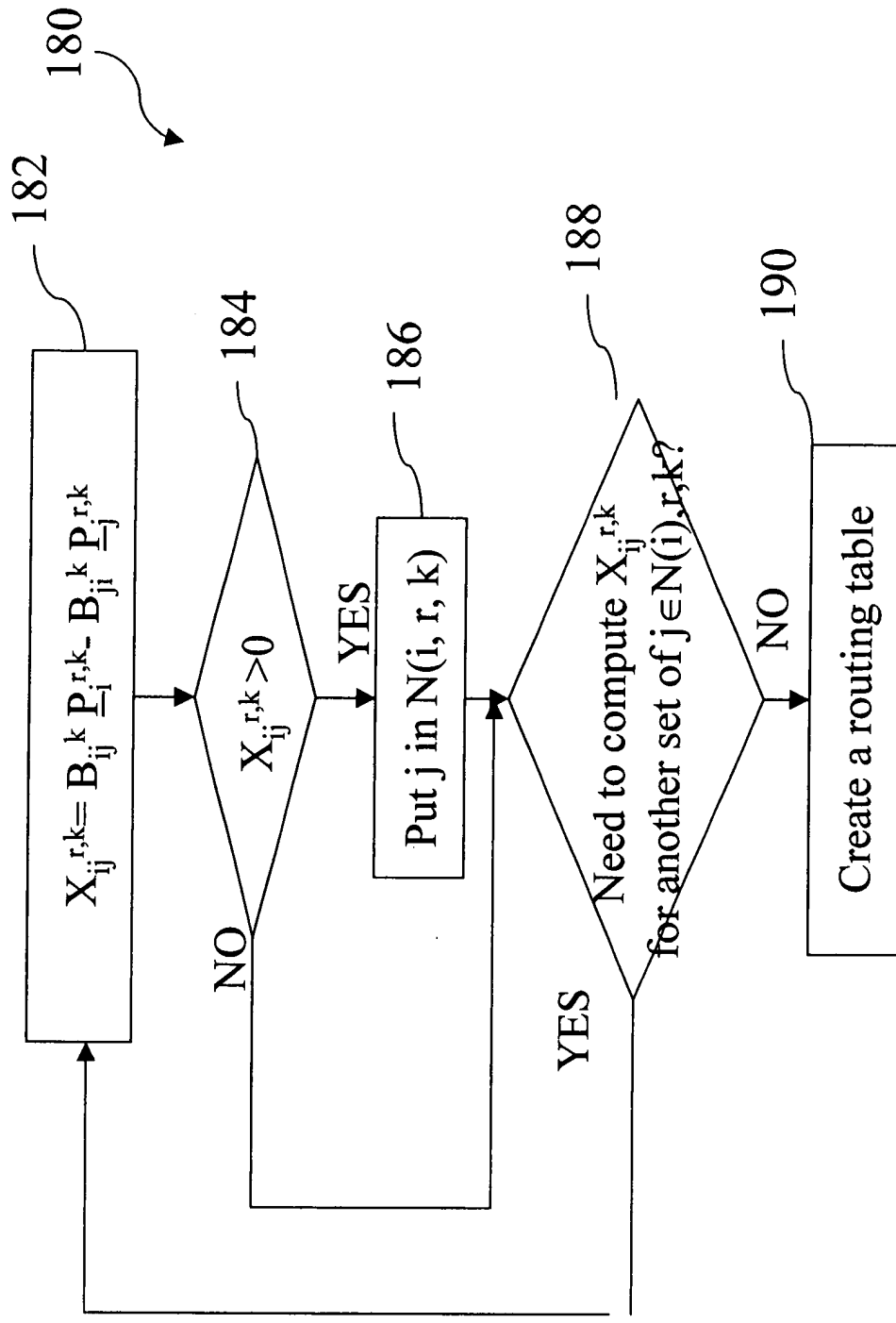


FIG. 9

Routing Table at Node i

Target node address	Next node address	Percentage of flow rate
r1	$j1 \in N(i, r1, 1)$	$X_{i,j1}^{r1,1} / \sum_{j \in N(i, r1, 1)} X_{i,j}^{r1,1}$
r1	:	:
r1	$jn \in N(i, r1, 1)$	$X_{i,jn}^{r1,1} / \sum_{j \in N(i, r1, 1)} X_{i,j}^{r1,1}$
:	:	:
r2	$k1 \in N(i, r2, 1)$	$X_{i,k1}^{r2,1} / \sum_{k \in N(i, r2, 1)} X_{i,k}^{r2,1}$
:	:	:

FIG. 10

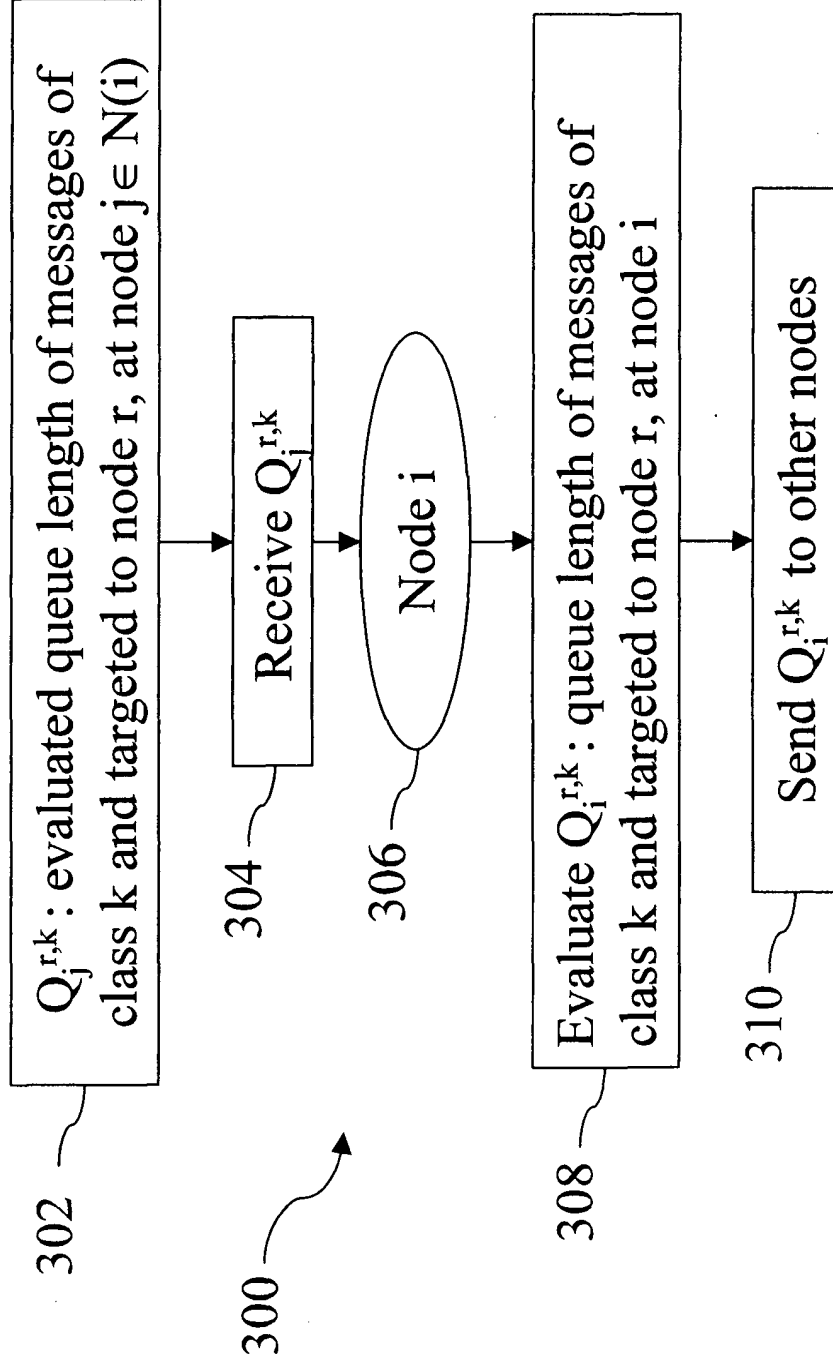


FIG. 11

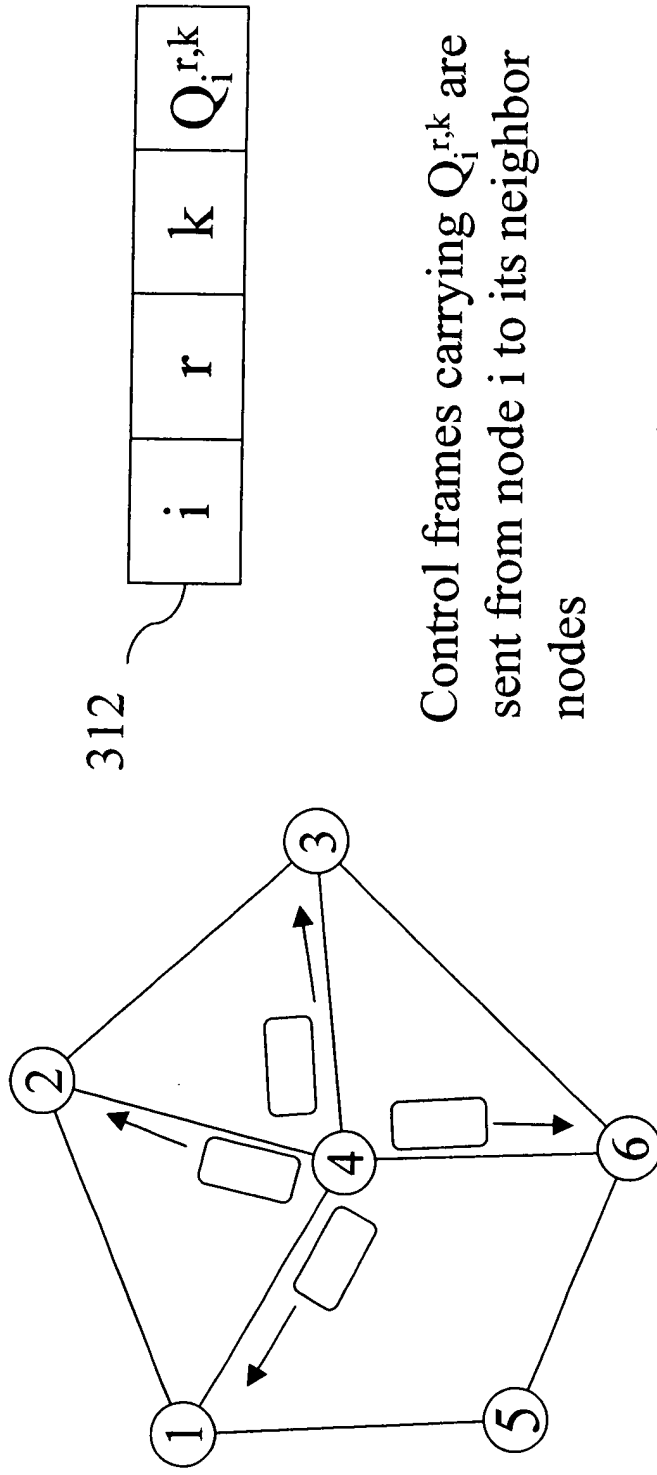


FIG. 12

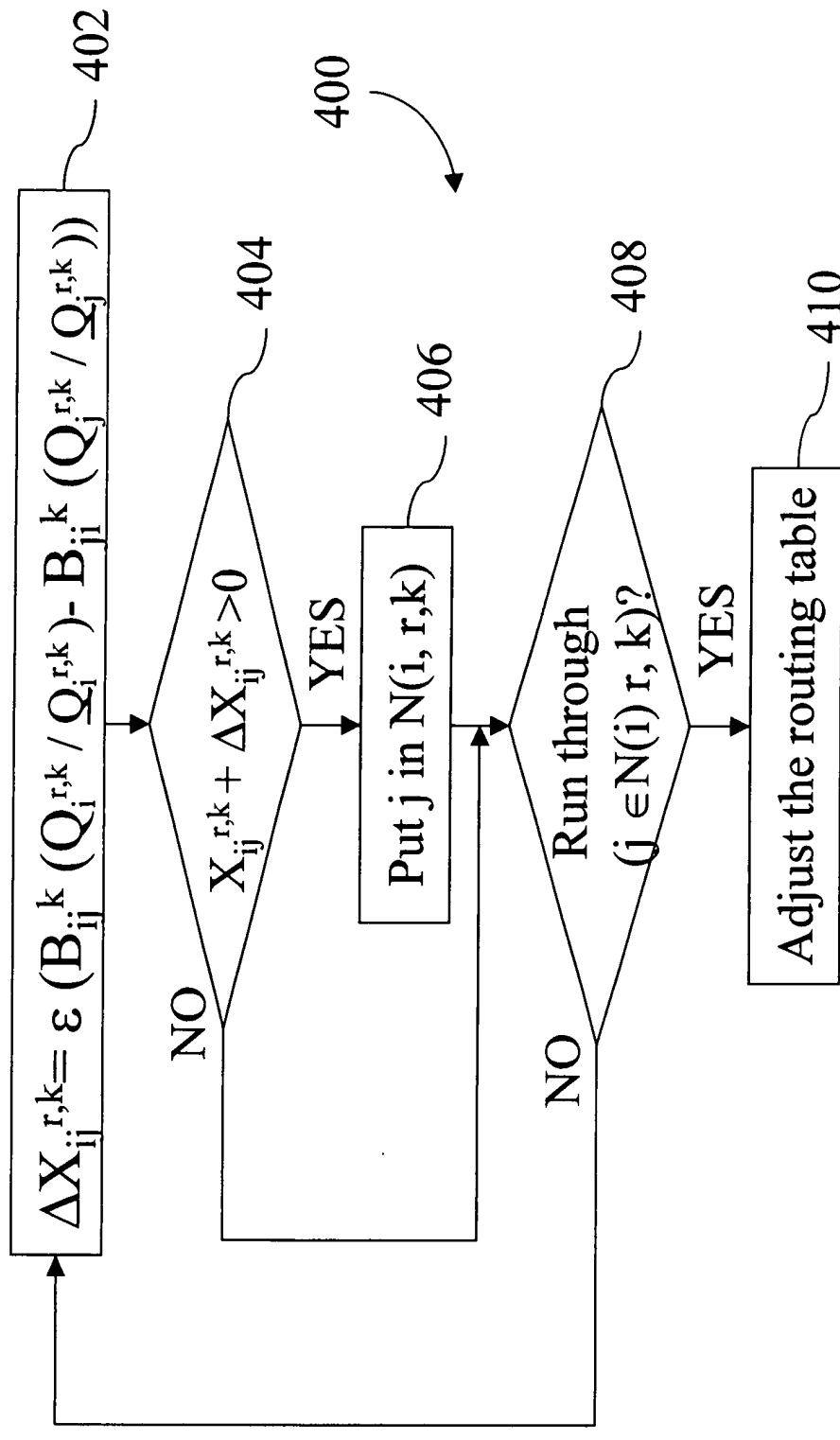


FIG. 13

Routing Table at Node i

Target node address	Next node address	Percentage of flow rate
r1	j1 $\in N(i, r1, 1)$	$(X_{i,j1}^{r1,1} + \Delta X_{i,j1}^{r1,1}) / \sum_{j \in N(i, r1, 1)} (X_{i,j}^{r1,1} + \Delta X_{i,j}^{r1,1})$
r1	:	:
r1	jn $\in N(i, r1, 1)$	$(X_{i,jn}^{r1,1} + \Delta X_{i,jn}^{r1,1}) / \sum_{j \in N(i, r1, 1)} (X_{i,j}^{r1,1} + \Delta X_{i,j}^{r1,1})$
:	:	:
r2	k1 $\in N(i, r2, 1)$	$(X_{i,k1}^{r2,1} + \Delta X_{i,k1}^{r2,1}) / \sum_{k \in N(i, r2, 1)} (X_{i,k}^{r2,1} + \Delta X_{i,k}^{r2,1})$
:	:	:

FIG. 14